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LISTING OF CLAIMS:

This listing of claims will replace all prior versions of claims in the application:

- (Withdrawn) A magnetic head having an air bearing surface, comprising:
 a magnetoresistive sensor;
 a magnetic, electrically conductive shield having a surface defining a plane and having first and second lateral sides, formed in proximity to and electrically insulated
- from said sensor;

 first and second electrically conductive layers extending from said first and second sides

 of said shield, said first and second conductive layers being coplanar with and
- 8 electrically insulated from said shield;
- a first electrical lead connected with said first electrically conductive layer; and a second electrical lead connected with said second electrically conductive layer.
- 1 2. (Withdrawn) A magnetic head as recited in claim 1 wherein said at least one of
- 2 said first and second electrical circuits is electrically connected with said sensor.
- 1 3. (Withdrawn) A magnetic head as recited in claim 1 wherein said first and second electrically conductive layers comprise the same material as said shield.
- Withdrawn) A magnetic head as recited in claim 1 further comprising first and second electrically insulating gaps formed at said first and second sides of said shield, said gaps electrically isolating said first and second electrically conductive
- 4 layers from said shield.
- 1 5. (Withdrawn) A magnetic head as recited in claim I wherein said sensor has a surface defining a second plane and wherein said shield and said sensor are
- 3 parallel and non-coplanar.

1	6.	(Withdrawn) A magnetic head, comprising:
2		a magnetoresistive sensor;
3		a shield layer formed in proximity to said sensor, said shield comprising a soft
4		magnetic, electrically conductive material;
5		a layer of electrically conductive material adjacent to said shield;
6		a dielectric material disposed between said shield and said electrically conductive
7		material layer and electrically isolating said shield therefrom;
8		a first electrically conductive lead in electrical communication with said layer of
9		electrically conductive material; and
10		a second lead in electrical communication with said shield.
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1	7.	(Withdrawn) A magnetic head as in claim 6, wherein said electrically conductive
2	,-	layer is coplanar with said shield.
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1	8.	(Withdrawn) A magnetic head as in claim 6, wherein said electrically conductive
2	0.	layer is coplanar with said shield and comprises the same material as said shield.
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1	9.	(Withdrawn) A magnetic head as in claim 6, wherein said electrically conductive
2	7.	layer is formed in a common manufacturing step with said shield.
1	10.	(Withdrawn) A magnetic head as in claim 6, wherein said shield is disposed
2	10.	above said sensor.
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1	11.	(Withdrawn) A magnetic head as in claim 6, wherein said shield is disposed
2	1	below said sensor.
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1	12.	(Original) A method of manufacturing a magnetic head, comprising:
2		ming a layer of magnetic, electrically conductive material;
3	for	roing first and second electrically insulating gaps in said magnetic, electrically
4		conductive material layer said first and second gaps terminating substantially at
4		predetermined lap stop location, said first and second gaps defining a central

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6		portion and first and second laterally opposed outer portions of said magnetic,			
7	electrically conductive layer;				
8	formin	forming a magnetoresistive sensor;			
9	forming a first electrically conductive lead connected with said first outer portion of said				
10		magnetic, electrically conductive layer;			
11	forming a second electrically conductive lead connected with said second outer portion of				
12	said magnetic, electrically conductive layer; and				
13	performing a lapping operation until at least on of said first and second gaps is reached.				
1	13.	(Original) A method as recited in claim 12 further comprising measuring an			
2		electrical resistance between said first and second leads until an increase in said			
3		resistance indicates that said lap stop location has been reached.			
1	14.	(Original) A method as recited in claim 12 wherein a portion of said			
2		magnetic, electrically conductive material extending beyond said lap stop location			
3		is contiguous.			
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1	15.	(Original) A method as recited in claim 12 wherein said magnetic, electrically			
2		insulating material is formed before the formation of said sensor so as to be			
3		formed below said sensor.			
1	6.	(Original) A method as recited in claim 12 wherein said magnetic, electrically			
2		insulating material is formed after the formation of said sensor so as to be formed			
3		above said sensor.			
ī	17.	(Original) A method for constructing a magnetic head, comprising			
2		forming a magnetoresistive sensor;			
3		forming a layer of magnetic, electrically conductive material having proximal and			
4		distal ends, and first and second lateral side portions;			
5		providing a gap in said layer of magnetic, electrically conductive material, said			
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gap terminating short of said proximal end and extending through said distal end;

,		performing a lapping operation, said lapping operation initiating from said
1		and and proceeding toward said distal end;
2		an electrical resistance between across said magnetic, electrically
3		conductive layer from said first lateral side portion to said second lateral side
4		· · · · · · · · · · · · · · · · · · ·
5		portion; ceasing lapping when said electrical resistance reaches a predetermined value.
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		(Original) A method as in claim 17 wherein said layer of magnetoresistive
1	18.	(Original) A method as in claim 17 wherein said in 1995 or an electrically conductive sensor is formed before the formation of said magnetic, electrically conductive
2		
3		layer.
		(Original) A method as in claim 17, wherein said layer of magnetoresistive
1	19.	(Original) A method as in claim 17, wherein suits and the sensor is formed after the formation of said magnetic, electrically conductive
2		sensor is formed after the formation of said magnetic,
3		layer.
		(Original) A method as in claim 17, further comprising depositing a dielectric
1	20.	(Original) A method as in claim 17, limber oscipture of layer layer between said sensor and said magnetic electrically conductive material layer.
2		layer between said sensor and said magnetic electronic
		2 contain commissing
1	21.	(Withdrawn) A magnetic recording system, comprising:
2		a housing;
3		a motor connected with said housing;
4		a spindle connected with said motor;
5		a magnetic disk mounted on said spindle for rotation about its own axix;
6		an actuator supported within said housing;
7		a slider supported by said actuator for movement across a surface of said disk;
8		a magnetic head formed on said slider, said magnetic head further comprising:
9		a magnetoresistive sensor;
10		a shield layer formed in proximity to said sensor, said shield comprising a
11		soft magnetic, electrically conductive material;
12		a layer of electrically conductive material adjacent to said shield;
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		a dielectric material disposed between said shield and said electrically
13		
14		conductive material layer and electrically isolating said shield
15		therefrom;
16		a first electrically conductive lead in electrical communication with said
17		layer of electrically conductive material; and
18		a second lead in electrical communication with said shield.
1	22.	(Withdrawn) A magnetic head, comprising:
2		a magnetic, electrically conductive shield;
3		a sensor formed above and electrically isolated from said shield;
4		first and second lap guides, electrically connected with said shield.
1	23.	(Withdrawn) A magnetic head as in claim 22, wherein said first and second lap
2		guides are coplanar with said sensor.
1	24.	(Withdrawn) A magnetic head as in claim 22 wherein said first and second lap
2		guides are comprise the same materials as said sensor.
1	25.	(Withdrawn) A magnetic head as in claim 22 wherein said first and second lap
2		guides are constructed in a common manufacturing step with said sensor.
I	26.	(Withdrawn) A magnetic head as in claim 22 further comprising first and second
2		vias, electrically connected said first and second lapping guides with said shield.
1	27.	(Withdrawn) A magnetic head as in claim 22 further comprising first and
2		second electrically conductive leads in electrical communication with said first
3		and second lap guides.